

LAKE DESMET CONSERVATION DISTRICT

1996 North Fork Crazy Woman Creek was listed as threatened due to habitat degradation and nutrients.

1991 – 1997 The district collected data on North Fork Crazy Woman on six sites and an additional eight sites on tributaries.

2000 North Fork and South Fork Shell Creek above Shell Creek Reservoir were both listed as threatened due to habitat degradation.

2002 - Crazy Woman Creek from the Powder River an undetermined distance upstream was listed as impaired due to manganese.

2003 DEQ monitored the North Fork Crazy Woman Creek. The district monitored seven sites on Shell Creek and published a data analysis report.

2006 The district contracted for completion of historical data research on Crazy Woman. The report recommended site specific standards due to natural background levels. DEQ conducted follow-up monitoring on North and South Fork Shell Creeks. Final report of this data is pending.

No formal watershed planning has been undertaken in any of the three drainages as the following were the outcomes of data analysis:

The DEQ monitoring data on North Fork Crazy Woman in 2003

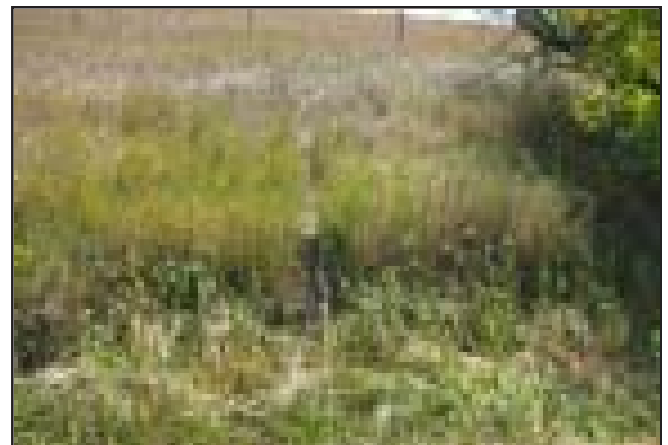
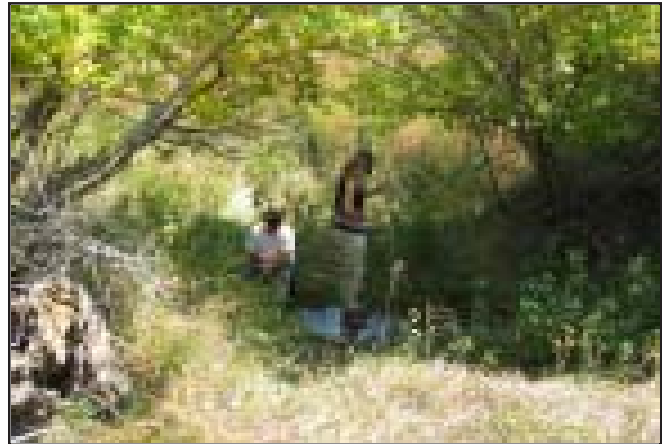
proved inconclusive, possibly due to impacts of drought, and further sampling is planned. Based on the historical review, levels of manganese in the Crazy Woman are likely natural. A decision on proceeding with a site specific standard is pending. DEQ's data analysis is pending on the North and South Fork Shell Creeks. The district recently completed a Rapid Watershed Assessment (RWA) of Clear Creek which encompasses North and South Fork Shell Creek. Surveys and one-on-one landowner meetings were conducted and the results were reported within the RWA.

On the ground implementation

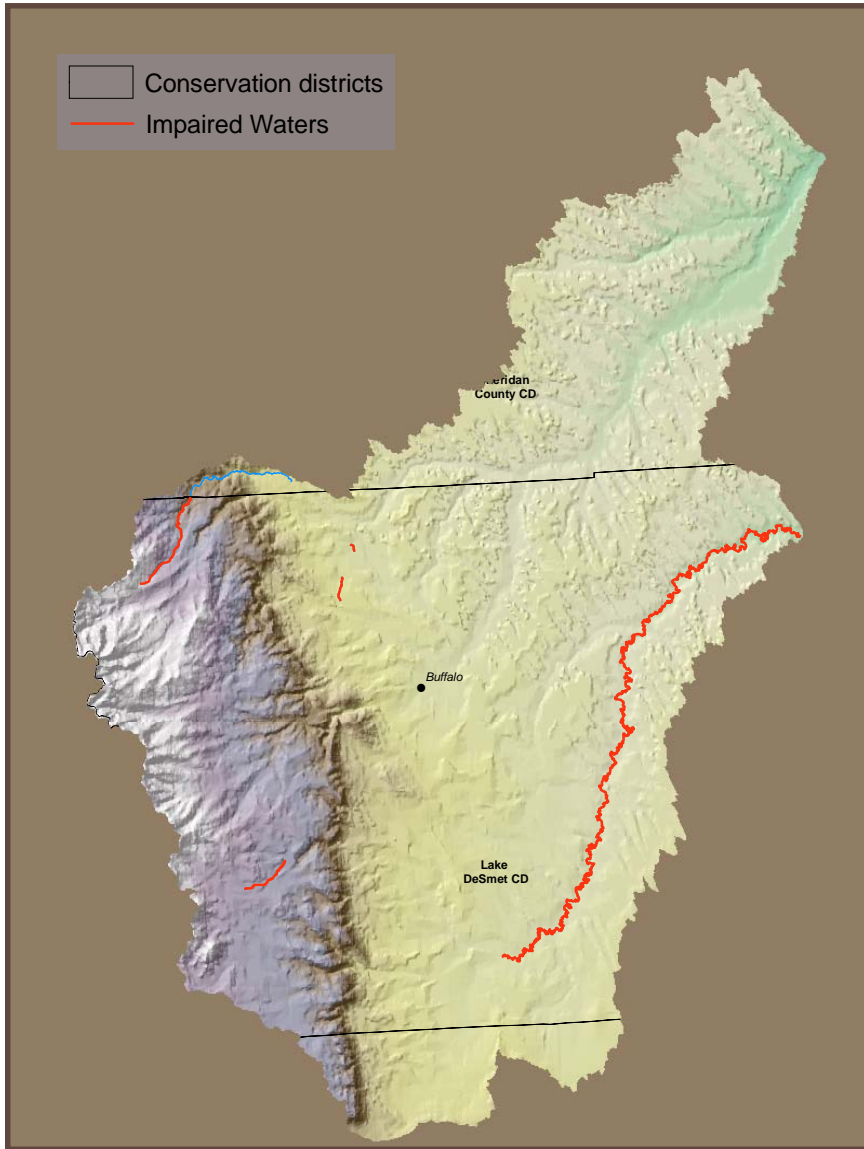
North Fork Crazy Woman implementation occurred from 1991 to 1998. There were a total of ten irrigation improvement, four water development, four fencing/grazing, and two animal feeding operation, and two critical area plantings projects completed.

Shell Creek drainage implementation occurred from 1999 through 2001. This effort resulted in seven irrigation improvements, two animal feeding, three fencing/ grazing, two windbreak, two riparian buffer fence projects, one water and one wetland development projects .

DEQ conducted follow-up monitoring in 2003, on North Fork Crazy Woman. Any further activities are pending the analysis of that data. Any implementation on Crazy Woman is dependent upon the determination of DEQ in regard to the development of a site specific standard.



POWDER RIVER WATERSHED



Watershed investment

Local	\$ 83,111
State	\$ 11,007
Federal	\$705,127
Private	\$900,048

Total **\$1,699,293**

Contributors

Landowners
 Lake DeSmet Conservation District
 Natural Resources Conservation Service
 DEQ/EPA

Partners

Private landowners, Natural Resources Conservation Service, the conservation district, Coal Bed Methane Coordination Coalition, Dept. of Environmental Quality, Department of Agriculture and the Crazy Woman Watershed Improvement District participated in these projects.